10/666,068

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1204bxd

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JUL 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	4	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	5	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	6	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	7	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	8	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	9	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	10	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	11	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS	12	SEP 27	STANDARDS will no longer be available on STN
NEWS	13	SEP 27	SWETSCAN will no longer be available on STN
NEWS	14	OCT 28	KOREAPAT now available on STN

NEWS EXPRESS	OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:19:57 ON 10 NOV 2004

=> fil reg
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 13:20:05 ON 10 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 8 NOV 2004 HIGHEST RN 777024-10-9
DICTIONARY FILE UPDATES: 8 NOV 2004 HIGHEST RN 777024-10-9

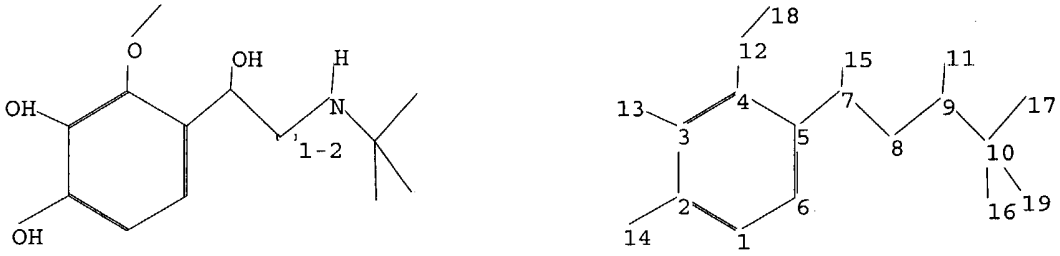
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10666068.str

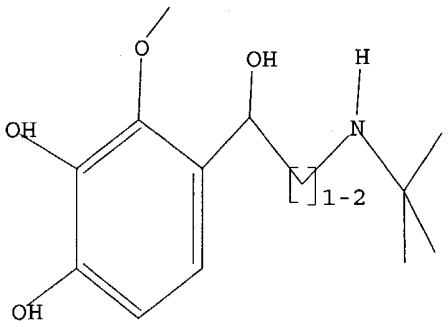


chain nodes :
7 8 9 10 11 12 13 14 15 16 17 18 19
ring nodes :
1 2 3 4 5 6
chain bonds :
2-14 3-13 4-12 5-7 7-8 7-15 8-9 9-10 9-11 10-16 10-17 10-19 12-18
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
2-14 3-13 4-12 7-15 8-9 9-10 12-18
exact bonds :
5-7 7-8 9-11 10-16 10-17 10-19
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
19:CLASS

L1 STRUCTURE UPLOADED

=> d query
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 13:20:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 6 TO ITERATE

100.0% PROCESSED 6 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6 TO 266
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 13:20:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 91 TO ITERATE

100.0% PROCESSED 91 ITERATIONS 16 ANSWERS
SEARCH TIME: 00.00.01

L3 16 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 155.42 155.63

FILE 'CAPLUS' ENTERED AT 13:20:30 ON 10 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

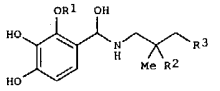
FILE COVERS 1907 - 10 Nov 2004 VOL 141 ISS 20
FILE LAST UPDATED: 9 Nov 2004 (20041109/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 9 L3

=> d l4 1-9 abs ibib hitstr

L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
GI



I

AB Title compds. [I; R1, R2 = C1-4 alkyl; R3 = C1-4 alkyl, (substituted) Ph; or R2R3 = CH2CH2, (CH2)3], were prepared as β2-adrenergic sympathomimetics (no data). Thus, 1-(3,4-dihydroxy-2-methoxyphenyl)-2-(1,1-dimethylpropylamino)ethanone (preparation given) was hydrogenated by using PtO in MeOH to give 85% 4-[2-(1,1-dimethylpropylamino)-1-hydroxyethyl]-3-methoxybenzene-1,2-diole.

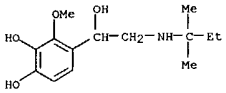
ACCESSION NUMBER: 2004:307317 CAPLUS
DOCUMENT NUMBER: 140:321101
TITLE: Preparation of benzenedioles for treatment of respiratory tract diseases
INVENTOR(S): Bouyssou, Thierry; Buettner, Frank; Konetzki, Ingo; Pestel, Sabine; Schnapp, Andreas; Schollenberger, Hermann; Schromm, Kurt; Heine, Claudia
PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma GmbH & Co. Kg, Germany
SOURCE: Ger. Offen., 14 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 10246374	A1	20040415	DE 2002-10246374	20021004
US 2004122108	A1	20040624	US 2003-666068	20030919
WO 2004033412	A1	20040422	WO 2003-EP10661	20030925

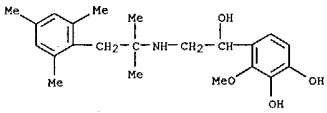
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DE 2002-10246374 A 20021004
US 2002-432499P P 20021211

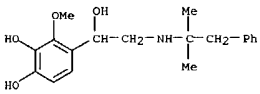
OTHER SOURCE(S): MARPAT 140:321101
IT **677776-89-5P 677777-04-7P 677777-17-2P 677777-23-0P 677777-27-4P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of benzenedioles for treatment of respiratory tract diseases)
RN 677776-89-5 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethylpropyl)amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)



RN 677777-04-7 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethyl-2-(2,4,6-trimethylphenyl)ethyl]amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)

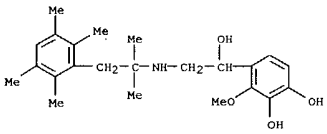


RN 677777-17-2 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethyl-2-phenylethyl)amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)

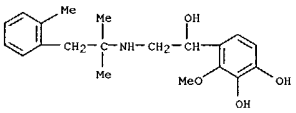


RN 677777-23-0 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethyl-2-(2,3,5,6-tetramethylphenyl)ethyl]amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)

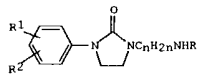
L4 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



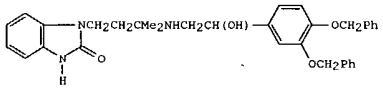
RN 677777-27-4 CAPLUS
CN 1,2-Benzenediol, 4-[2-[[1,1-dimethyl-2-(2-methylphenyl)ethyl]amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
GI



I



II

AB The title compds. I [R = (un)substituted β-hydroxyphenethyl, R1 = H, halo, C1-4 alkyl or alkoxy, F3C, NH2, R2 = H, halo, C1-4 alkyl or alkoxy, F3C, R1R2 = methylenedioxy, ethylenedioxy, n = 2-6] useful as antihypertensives, broncholytics, and vasodilators (no data) were prepared by a variety of reduction reactions. Thus, in a comparative example 3,4-(PhCH2O)2C6H3COCH(OH)OEt was heated with 1-(3-amino-3-methylbutyl)benzimidazolinone in EtOH 3 h, cooled, and treated with NaBH4 to give II, isolated as its maleate.

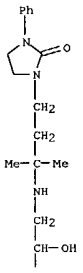
ACCESSION NUMBER: 1983:488195 CAPLUS
DOCUMENT NUMBER: 99:88195
TITLE: N-Aminoalkylimidazolidines
INVENTOR(S): Mentrup, Anton; Schromm, Kurt; Renth, Ernst Otto; Reichl, Richard; Traunecker, Werner; Hoefke, Wolfgang
PATENT ASSIGNEE(S): Boehringer Ingelheim International G.m.b.H., Fed. Rep. Ger.
SOURCE: Pat. Specif. (Aust.), 66 pp.
CODEN: ALXXAP
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
AU 526579	B2	19830120	AU 1981-67647	19810225
AU 8167647	A1	19810521		

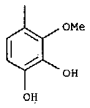
PRIORITY APPLN. INFO.: AU 1981-67647 19810225

IT **64928-21-8P 86733-03-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64928-21-8 CAPLUS
CN 2-Imidazolidinone, 1-[3-[[2-(3,4-dihydroxy-2-methoxyphenyl)-2-hydroxyethyl]amino]-3-methylbutyl]-3-phenyl- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



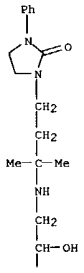
RN 86733-03-1 CAPLUS
CN Formic acid, compd. with 1-[3-[[2-(3,4-dihydroxy-2-methoxyphenyl)-2-hydroxyethyl]amino]-3-methylbutyl]-3-phenyl-2-imidazolidinone (9CI) (CA INDEX NAME)

CM 1

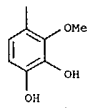
CRN 64928-21-8
CMF C23 H31 N3 O5

L4 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

PAGE 1-A



PAGE 2-A

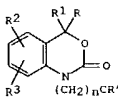


CM 2

CRN 64-18-6
CMF C H2 O2

O═CH—OH

GI



(CH2)nCR4R5NHCHR6CHR7OH I

AB Benzoxazinones I (R, R1, R6 = H, alkyl; R2, R3 = H, F, Cl, OH, Me, Et, alkoxy; R2R3 = OCH2O; R4, R5 = H, Me; R7 = substituted Ph; n = 1-3) were prepared Thus 1,1-dimethyl-3-(4,4-dimethyl-2-oxo-3,1-benzoxazin-1-yl)propanamine was treated with 3,4-H2NCO(HO)C6H3COCH2Br and reduced with NaBH4 to give I [R = R1 = R4 = R5 = Me, R2 = R3 = R6 = H, R7 = 3,4-H2NCO(HO)C6H3, n = 2](II). II.MeSO3H had antihypertensive activity at
10 mg/kg orally in rats.

ACCESSION NUMBER: 1982:199711 CAPLUS
DOCUMENT NUMBER: 96:199711
TITLE: 3,1-Benzoxazin-2-ones and their uses
INVENTOR(S): Mentrup, Anton; Schromm, Kurt; Renth, Ernst Otto; Hoefke, Wolfgang; Gaida, Wolfram; Streller, Ilse; Fuegner, Armin
PATENT ASSIGNEE(S): Boehringer, C. H., Sohn, Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 43940	A1	19820120	EP 1981-104787	19810622
EP 43940	B1	19840912		
R: AT, BE, CH, DE, FR, IT, LU, NL, SE				
DE 3026534	A1	19820318	DE 1980-3026534	19800712
AT 9336	E	19840915	AT 1981-104787	19810622
US 4341778	A	19820727	US 1981-280349	19810706
DK 8103067	A	19820113	DK 1981-3067	19810710
DK 149851	B	19861013		
DK 149851	C	19870504		
FI 8102183	A	19820113	FI 1981-2183	19810710
FI 74703	B	19871130		
FI 74703	C	19880310		
NO 8102355	A	19820113	NO 1981-2355	19810710
NO 158578	B	19880627		
NO 158578	C	19881005		
GB 2080296	A	19820203	GB 1981-21321	19810710
GB 2080296	B2	19830928		
ES 503837	A1	19820601	ES 1981-503837	19810710
AU 8172731	A1	19820916	AU 1981-72731	19810710
AU 540916	B2	19841206		
ZA 8104687	A	19830330	ZA 1981-4687	19810710
DD 202018	A5	19830824	DD 1981-231670	19810710

HU 25946	O	19830829	HU 1981-2036	19810710
HU 183515	B	19840528		
CA 1165317	A1	19840410	CA 1981-381559	19810710
IL 63285	A1	19850331	IL 1981-63285	19810710
JP 57048975	A2	19820320	JP 1981-109186	19810713
ES 508653	A1	19821101	ES 1982-508653	19820112
ES 508654	A1	19821101	ES 1982-508654	19820112
ES 508655	A1	19821101	ES 1982-508655	19820112
PRIORITY APPLN. INFO.:			DE 1980-3026534	19800712
			EP 1981-104787	19810622

OTHER SOURCE(S): CASREACT 96:199711

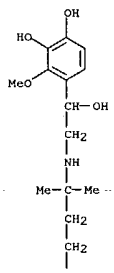
IT **81696-95-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 81696-95-9 CAPLUS
CN Formic acid, compd. with 1-(3-[[2-(3,4-dihydroxy-2-methoxyphenyl)-2-hydroxyethyl]amino]-3-methylbutyl]-1,4-dihydro-4,4-dimethyl-2H-3,1-benzoxazin-2-one (1:1) (9CI) (CA INDEX NAME)

CM 1

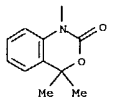
CRN 81696-94-8
CMF C24 H32 N2 O6

PAGE 1-A



L4 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

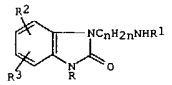
PAGE 2-A



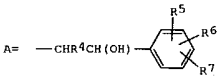
CM 2

CRN 64-18-6
CMF C H2 O2

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
GI



I



AB Title compds. I [R = H, alkyl; n = 2-6; R1 = H, PhCH2, A [R4 = H, Me, Et; R5, R6, and R7 (same or different) are H, halo, CH2OH, CF3, alkyl, alkoxy, NO2, cyano, CONHR8 (R8 = H, alkyl, OH), CO2H, carbalkoxy, OH, alkanoyloxy, alkoxy, PhCH2O, MeSO2CH2; or R5R6 = OCH2O, OCH2CH2O, benzo, OCH2CONH, CH2CH2CONH]; R2 = H, halo, alkyl, alkoxy, CF3, NH2; R3 = H, halo, alkyl, alkoxy, CF3; or R2R3 = OCH2O, OCH2CH2O], useful as central nervous system stimulants, antihypertensives, and vasodilators (no data), were prepared by different methods. A mixt of 3,4-(PhCH2O)2C6H3COCH(OH)OEt and 1-(3-amino-3,3-dimethylpropyl)-2-benzimidazolinone in EtOH was heated 3 h, mixed with NaBH4 at 0-5°, kept 12 h at room temperature, acidified, and worked up to give I [R = R2 = R3 = H, CnH2n = CH2CH2CMe2, R1 = A (R4 = R7 = H, R5 = 3-PhCH2O, R6 = 4-PhCH2O)]. Also prepared was I [R = R2 = R3 = H, CnH2n = CH2CH2CMe2, R1 = A (R4 = R7 = H, R5 = 3-OH, R6 = 4-OH)], which exhibited bronchodilator activity.

ACCESSION NUMBER: 1981:4017 CAPLUS
DOCUMENT NUMBER: 94:4017
TITLE: Aminoalkyl-substituted benzimidazolidin-2-ones
INVENTOR(S): Hoefke, Wolfgang; Mentrup, Anton; Reichl, Richard; Renth, Ernst Otto; Schromm, Kurt; Traunecker, Werner
PATENT ASSIGNEE(S): Boehringer Ingelheim G.m.b.H., Fed. Rep. Ger.
SOURCE: U.S., 45 pp. Cont.-in-part of U.S. 4,154,829.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4215119	A	19800729	US 1979-26608	19790403
DE 2609645	A1	19770915	DE 1976-2609645	19760309
US 4154829	A	19790515	US 1977-773394	19770302
US 4271158	A	19810602	US 1979-102904	19791213
US 4363814	A	19821214	US 1980-218786	19801222
PRIORITY APPLN. INFO.:			DE 1976-2609645	19760309

L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

US 1977-773394 19770302

US 1979-26608 19790403

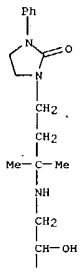
US 1979-102904 19791213

IT **64928-22-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 64928-22-9 CAPLUS
CN Formic acid, compd. with 1-[3-[[2-(3,4-dihydroxy-2-methoxyphenyl)-2-hydroxyethyl]amino]-3-methylbutyl]-3-phenyl-2-imidazolidinone (1:1) (9CI) (CA INDEX NAME)

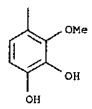
CM 1

CRN 64928-21-8
CMF C23 H31 N3 O5

PAGE 1-A



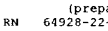
PAGE 2-A



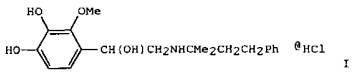
L4 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CM 2

CRN 64-18-6
CMF C H2 O2



L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
GI

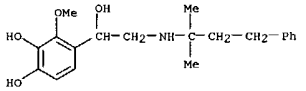


I

AB The β-receptor stimulant effects of Sm220Cl-HCl (dl-N-(1,1-dimethyl-3-phenyl-propyl)-2-hydroxy-2-(3,4-dihydroxy-2-methoxyphenyl)ethylamine-HCl)(I) [**64725-05-9**] and (-)-isoprenaline were compared in isolated atrial (β1) and tracheal (β2) prepns. from guinea-pigs and cats. The compds. were also tested for their ability to increase the heart rate (β1), reduce serotonin-induced increases in pulmonary resistance (β2), and decrease soleus muscle contractility (β2) in vivo in the two species. Calculated selectivity ratios [activity-ratio (heart):activity-ratio (bronchial smooth muscle)] from the in vitro expts. showed that I possessed β2-receptor selectivity. This was more marked in guinea pig than in cat prepns. In the anesthetized animals this species difference was more apparent; in cats, I was non-selective in its actions for β1- and β2-receptor mediated responses, while marked β2-receptor selectivity was obtained in the guinea pig. Since in both species, the activity-ratios for β2-receptor mediated actions are similar, the differences in the β1/B2-receptor selectivity of (I) are caused by the divergent cardiac effects produced by the drug.

ACCESSION NUMBER: 1978:310 CAPLUS
DOCUMENT NUMBER: 88:310
TITLE: Species difference in the β1/β2-adrenoceptor selectivity of Sm220Cl in the cat and guinea-pig
AUTHOR(S): Bohmer, K.; Raper, C.
CORPORATE SOURCE: Dep. Pharmacol., Victorian Coll. Pharm., Parkville, Australia
SOURCE: Clinical and Experimental Pharmacology and Physiology (1977), 4(4), 349-58
CODEN: CEXPB9; ISSN: 0305-1870
DOCUMENT TYPE: Journal
LANGUAGE: English
IT **24008-01-3**
RL: BIOL (Biological study)
(sympathomimetic activity of, selectivity of, species differences in)
RN 24008-01-3 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethyl-3-phenylpropyl)amino]-1-hydroxyethyl]-3-methoxy-, hydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



● HCl

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
AB Approx. 270 title compds., RCH(OH)CH2NHZR1 (I, R = aryl, e.g., p-HOC6H4, 3,5-(PhCH2O)2C6H3, 3,4-Cl2C6H3; Z = (CH2)n, n = 1-3, CH2CH2CMe2, etc.; R1 = 1,2,3,4-tetrahydro-2-oxoquinolino (Q), 2-oxo-1,2-dihydrobenzimidazol-1-yl, 2-oxo-3-phenylimidazolin-1-yl, etc.) were prepared from R1ZNH2 and RCOCHO or its derivs., or RCOCH2Br. Thus, 5.6 g 3,4-dichlorophenylglyoxal hydrate and 4.5 g 1-(3-aminopropyl)-1,2,3,4-tetrahydro-2-quinolinone was heated 1 hr at 50° and the mixture treated with 5 g NaBH4 at 0° to give 5.5 g I (R = 3,4-Cl2C6H3, Z = (CH2)3, R1 = Q). I [R = 3,4-MeSO2NH(OH)C6H3, Z = CH2CH2CMe2, R1 = Q] was 18X as effective as Isoxsuprine as a peripheral vasodilator in the dog. I (R = 3,4-MeNHCO(HO)C6H3, Z = CH2CH2CMe2, R1 = Q) produced a blood pressure of 85 mm when given to hypertensive rats. Guinea pigs treated with I (R = 3,4-(HO)2C6H3, Z = CH2CH2CMe2, R1 = 2,3-dihydro-2-oxo-benzimidazol-1-yl), exhibited a broncholytic ED50 (intravenous) of 0.09 μg/kg vs. 3 μg/kg for Isoproterenol.

ACCESSION NUMBER: 1977:601503 CAPLUS
DOCUMENT NUMBER: 87:201503
TITLE: Aminoalkyl heterocycles
INVENTOR(S): Mentrup, Anton; Schromm, Kurt; Renth, Ernst Otto; Reichl, Richard; Traunecker, Werner; Hoefke, Wolfgang
PATENT ASSIGNEE(S): Boehringer, C. H., Sohn, Fed. Rep. Ger.
SOURCE: Ger. Offen., 79 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2609645	A1	19770915	DE 1976-2609645	19760309
SU 698530	D	19791115	SU 1977-2453505	19770222
FI 7700586	A	19770910	FI 1977-586	19770223
FI 69070	B	19850830		
FI 69070	C	19851210		
AT 7701223	A	19800615	AT 1977-1223	19770224
AT 360542	B	19810112		
RO 76589	P	19810430	RO 1977-96539	19770301
RO 70569	P	19811124	RO 1977-89565	19770301
RO 79706	P	19820817	RO 1977-101591	19770301
US 4154829	A	19790515	US 1977-773394	19770302
CS 209435	P	19811231	CS 1977-1476	19770304
CS 220320	P	19830325	CS 1978-5352	19770304
NL 7702403	A	19770913	NL 1977-2403	19770307
CH 630358	A	19820615	CH 1977-2819	19770307
BE 852223	A1	19770908	BE 1977-175593	19770308
DK 7701021	A	19770910	DK 1977-1021	19770308
JP 52108970	A2	19770912	JP 1977-25323	19770308
NO 7700804	A	19770912	NO 1977-804	19770308
NO 147950	B	19830405		
NO 147950	C	19830713		
AU 7723009	A1	19780914	AU 1977-23009	19770308
AU 515953	B2	19810514		
ZA 7701412	A	19781129	ZA 1977-1412	19770308
CA 1086317	A1	19800923	CA 1977-273388	19770308
IL 51627	A1	19801026	IL 1977-51627	19770308
PL 112937	B1	19801129	PL 1977-215210	19770308
HU 20328	O	19810728	HU 1977-BO1653	19770308

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

HU 177953	P	19820228		
SE 435059	B	19840903	SE 1977-2609	19770308
SE 435059	C	19841213		
FR 2343731	A1	19771007	FR 1977-7018	19770309
FR 2343731	B1	19820226		
GB 1571231	A	19800709	GB 1977-9952	19770309
SU 676163	D	19790725	SU 1977-2541704	19771116
SU 683616	D	19790830	SU 1977-2543651	19771116
SU 685149	D	19790905	SU 1977-2542149	19771116
FR 2372810	A1	19780630	FR 1978-2775	19780201
FR 2372810	B1	19821126		
ES 466601	A1	19781001	ES 1978-466601	19780203
ES 466606	A1	19781001	ES 1978-466606	19780203
ES 466598	A1	19781001	ES 1978-466598	19780203
ES 466599	A1	19781001	ES 1978-466599	19780203
ES 466600	A1	19781001	ES 1978-466600	19780203
ES 466605	A1	19781001	ES 1978-466605	19780203
ES 466604	A1	19781001	ES 1978-466604	19780203
ES 466603	A1	19781001	ES 1978-466603	19780203
ES 466602	A1	19781001	ES 1978-466602	19780203
US 4215119	A	19800729	US 1979-26608	19790403
US 4271158	A	19810602	US 1979-102904	19791213
AT 8000203	A	19810215	AT 1980-203	19800116
AT 363940	B	19810910		
AT 8000204	A	19810215	AT 1980-204	19800116
AT 363941	B	19810910		
AT 8000207	A	19810215	AT 1980-207	19800116
AT 363942	B	19810910		
AT 8000208	A	19810215	AT 1980-208	19800116
AT 363943	B	19810910		
AT 8000209	A	19810215	AT 1980-209	19800116
AT 363944	B	19810910		
AT 8000205	A	19830115	AT 1980-205	19800116
AT 372083	B	19830825		
AT 8000206	A	19830115	AT 1980-206	19800116
AT 372084	B	19830825		
US 4363814	A	19821214	US 1980-218786	19801222
CH 630359	A	19820615	CH 1981-2846	19810430
CH 630360	A	19820615	CH 1981-2847	19810430
CH 630361	A	19820615	CH 1981-2848	19810430
CH 630362	A	19820615	CH 1981-2849	19810430
CH 630363	A	19820615	CH 1981-2850	19810430
CH 630364	A	19820615	CH 1981-2851	19810430
CH 630365	A	19820615	CH 1981-2852	19810430
JP 61000072	A2	19860106	JP 1985-126401	19850612

PRIORITY APPLN. INFO.:

DE 1976-2609645	19760309
AT 1977-1223	19770224
US 1977-773394	19770302
CH 1977-2819	19770307
US 1979-26608	19790403
US 1979-102904	19791213

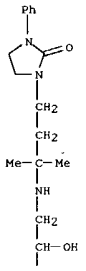
IT **64928-22-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
(prepn. of)
RN 64928-22-9 CAPLUS
CN Formic acid, compd. with 1-[3-[[2-(3,4-dihydroxy-2-methoxyphenyl)-2-hydroxyethyl]amino]-3-methylbutyl]-3-phenyl-2-imidazolidinone (1:1) (9CI) (CA INDEX NAME)

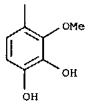
CM 1

CRN 64928-21-8
CMF C23 H31 N3 O5

PAGE 1-A



PAGE 2-A



CM 2

CRN 64-18-6
CMF C H2 O2

L4 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

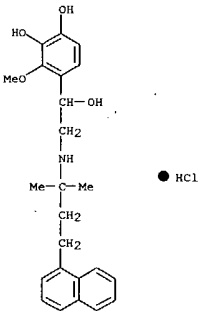
L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
GI For diagram(s), see printed CA Issue.
AB The title compds. (I) were prepared by catalytic hydrogenation of the corresponding amino ketones. Thus, α-bromo-4-(benzyloxy)acetophenone and N-[2-(1-naphthyl)-ethyl]benzylamine was refluxed in MeCN and the product hydrogenated (Pd-C) to give I [Q = (CH2)2, R = R1 = R2 = H]. Similarly prepared were 23 other I and 2 2-naphthyl analogs.
ACCESSION NUMBER: 1971:488382 CAPLUS
DOCUMENT NUMBER: 75:88382
TITLE: Pharmacologically active naphthylalkylamines
INVENTOR(S): Schromm, Kurt; Mentrup, Anton; Renth, Ernst O.; Traunecker, Werner
PATENT ASSIGNEE(S): Boehringer, C. H., Sohn
SOURCE: Ger. Offen., 23 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1962497	A	19710616	DE 1969-1962497	19691212
DE 1962497	C3	19790920		
DE 1962497	B2	19790125		
CH 556322	A	19741129	CH 1970-18189	19701209
CH 556323	A	19741129	CH 1973-4776	19701209
CH 564509	A	19750731	CH 1973-4777	19701209
SE 378101	B	19750818	SE 1970-16667	19701209
NL 7018031	A	19710615	NL 1970-18031	19701210
NL 169583	B	19820301		
NL 169583	C	19820802		
HU 162736	P	19730428	HU 1970-BO1262	19701210
RO 56808	P	19750315	RO 1970-65259	19701210
RO 61132	P	19761215	RO 1970-68643	19701210
RO 61063	P	19780715	RO 1970-68644	19701210
FR 2081347	A1	19711203	FR 1970-44709	19701211
FR 2081347	A5	19711203		
AT 299924	B	19720710	AT 1970-11175	19701211
AT 302284	B	19721010	AT 1971-7400	19701211
SU 384229	D	19730523	SU 1970-1497851	19701211
GB 1330188	A	19730912	GB 1970-59091	19701211
CS 151062	P	19730917	CS 1970-8374	19701211
CS 151063	P	19730917	CS 1971-7139	19701211
CS 151064	P	19730917	CS 1971-7140	19701211
ES 386345	A1	19740101	ES 1970-386345	19701211
SU 417936	D	19740228	SU 1970-1739938	19701211
IL 35840	A1	19740630	IL 1970-35840	19701211
AT 317192	B	19740812	AT 1971-7401	19701211
NO 131126	B	19741230	NO 1970-4790	19701211
PL 81424	P	19750830	PL 1970-144934	19701211
SU 505349	D	19760228	SU 1970-1739939	19701211
PL 84354	P	19760331	PL 1970-174664	19701211
PL 84355	P	19760331	PL 1970-174663	19701211
JP 51016420	B4	19760524	JP 1970-110358	19701211
DK 136526	B	19771024	DK 1970-6320	19701211
FI 53301	B	19771230	FI 1970-3343	19701211
FI 53301	C	19780410		
ES 395482	A1	19731216	ES 1971-395482	19710928

L4 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

ES 395481	A1	19731216	ES 1971-395481	19710928
JP 51038716	B4	19761023	JP 1973-59198	19730525
JP 52021505	B4	19770610	JP 1973-59199	19730525
US 3966814	A	19760629	US 1973-373933	19730627
PRIORITY APPLN. INFO.:			DE 1969-1962497	19691212
			US 1970-92527	19701124

IT **33457-03-3P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 33457-03-3 CAPLUS
CN Benzyl alcohol, α-[[[1,1-dimethyl-3-(1-naphthyl)propyl]amino]methyl]-3,4-dihydroxy-2-methoxy-, hydrochloride (8CI) (CA INDEX NAME)



L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN

GI For diagram(s), see printed CA Issue.

AB The title compds. (I) were prepared (1) by the reaction of QCOCHR3X (R = R1 or a protective group; X = halogen) and HNR'R4 (II) (R' = H or benzyl), followed by reduction; or (2) by reduction of QR5COR3 (R5 = CO or CHOH) and R4NH2 or of the Schiff base condensed from both; or (3) by reaction of QE (E = 2-R3-substituted-1,2-epoxyethyl or CHOHCHXR3) and II, followed by removal of the protective groups; or (4) by the reaction under reduction of QCH(OH)CHR3NH2 with R6COR7 (R6 = H or straight-chain lower alkyl, R7 = lower alkyl or 1,4-benzodioxan-2-yl); or (5) by reduction of QR5CONHR4, when the protective group RO = acetal or benzyl ether, and removal of the protective groups; or (6) by the reaction of QCH(OH)CHR3.NHR' with R4Y (Y = halo or an acid radical) in the presence of excess amine, Na2CO3, or K2CO3 and elimination of the protective groups. Thus, the Na salt of 2-hydroxy-3,4-diphenylmethoxy-acetophenone was reacted with EtOH and EtI to give 2-ethoxy-3,4-diphenylmethylenedioxyacetophenone (III), m. 82°. III (72 g) was reacted at 60° with 10 ml Br and then 60 g PhCH2NH-Pr-iso to yield 1-[2-ethoxy-3,4-(diphenylmethylenedioxy)pheny l]-1-oxo-2-(benzylisopropylamino)ethane (IV). After purifying 81 g IV in 540 ml MeOH and 270 ml H2O over animal C, the solution was hydrogenated over Pd/C, to yield 1-(2-ethoxy-3,4-dihydroxyphenyl-1-oxo-2-(isopropylamino)ethane (V), hydrochloride m. 203-5° (95% iso-PrOH). V (20 g) was hydrogenated over Pt to yield 18 g 1-(2-ethoxy-3,4-dihydroxyphenyl)-1-hydroxy-2-(isopropylamino)ethane (I, R1 = R3 = H, R2 = EtO, R4 = iso-Pr), hydrochloride m. 184° (EtOH). Similarly prepared were the following I (R1, R2, R3, R4, and m.p. of hydrochloride, unless mentioned otherwise, given): H, Pr, H, iso-Pr, 158-9°; H, Me, H, 3-phenylpropyl, 176°; H, Me, H, 2-(p-hydroxyphenyl)isopropyl, (benzoate) 110°; H, MeO, H, cyclopentyl, 161-2°; H, MeO, H, phenoxyethyl, 87-8° (crystallized with 0.5 mole Me2CO); H, MeO, H, tert-Bu, 97-9° (base) (0.5 mole H2O of crystallization); H, MeO, H, p-tolyloxyethyl, 109-11°; H, MeO, H, o-tolyloxyethyl, 134-5°; H, MeO, H, m-tolyloxyethyl, 126-7°; H, MeO, H, o-methoxyphenoxyethyl, 78-80° (crystallized with 1 mole MeCN); H, MeO, H, 1,1-dimethyl-3-phenylpropyl, 175-6°; H, MeO, H, 1,1-dimethyl-3-p-tolylpropyl, 168-70°; H, Me, H, tert-Bu, (benzoate) 179-81°; H, MeO, Et, iso-Pr, 220-2°; Ac, Me, H, iso-Pr, 99°; Ac, MeO, H, iso-Pr, . Prepared intermediates are (m.p. or b.p. given): 3-allyloxy-4-methoxyacetophenone, b4 180-2°; 2-allyl-3-hydroxy-4-methoxyacetophenone, 87-9°; 2-propyl-3-hydroxy-4-methoxyacetophenone, ; 2-propyl-3-acetoxy-4-methoxybromoacetophenone, ; 1-(2-propyl-3-acetoxy-4-methoxyphenyl)-1-oxo-2-(benzylisopropylamino)ethane, ; 1-(2-propyl-3-hydroxy-4-methoxyphenyl)-1-oxo-2-(benzylisopro-pylamino)ethane-HCl, 100°;

1-(2-propyl-3-hydroxy-4-methoxyphenyl)-1-oxo-2-(isopropylamino)ethane-HCl, 93-5°; 1-(2-propyl-3,4-dihydroxyphenyl)-1-oxo-2-isopropylaminoethane-HCl, 181-2°; α-bromo-2-methyl-3,4-dimethoxyacetophenone, 88°; α-(benzyl-3-phenylpropylamino)-2-methyl-3,4-dimethoxyaceto-phenone-(HO2C)2, 118-21°; α-(3-phenylpropylamino)-2-methyl-3,4-dimethoxyacetophenone-HCl, 210-17°; α-(3-phenylpropylamino)-2-methyl-3,4-dihydroxyacetophenone-HBr, 179° (base m. 130-8°);

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

α-[2-(p-methoxyphenyl)isopropylamino]-2-methyl-3,4-dimethoxyacetophenone-HCl, 205°; α-[2-(p-hydroxyphenyl)-isopropylamino]-2-methyl-3,4-dihydroxyacetophenone-HBr, 115-25° (HCl salt m. 120-35°); 2-hydroxy-3,4-(diphenylmethylene-dioxy)acetophenone, 155-6°; 2-methoxy-3,4-(diphenylmethyl-enedioxy)acetophenone, ; α-bromo-2-methoxy-3,4-(diphenyl-methylenedioxy)acetophenone, 137°; α-(cyclopentylamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 202-3°; α-(benzyl-phenoxyethylamino)-2-methoxy-3,4-(diphenylmethylenedioxy)-acetophenone-HCl, 159-61°; α-(phenoxyethylamino)-2-methoxy-3,4-(diphenylmethylenedioxy)acetophenone-HCl, 190-2°; α-(phenoxyethylamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 174-5°; α-(p-tolyloxyethylamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 181-2°; α-(tert-butylamino)-2-methoxy-3,4-(diphenylmethylenedioxy)acetophenone-HCl, 182-3°; α-(tert-butylamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 189-90°; α-(o-tolyloxyethylamino)-2-methoxy-3,4-dihydroxy-acetophenone-HCl, 197-9°; α-(m-tolyloxyamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 170-2°; α-(o-methoxyphenoxy-ethylamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 152-3°; α-(1,1-dimethyl-3-phenylpropylamino)-2-methoxy-3,4-(diphenylmethylenedioxy)acetophenone-HCl, 174-6°; α-(1,1-dimethyl-3-phenylpropylamino)-2-methoxy-3,4-dihydroxyaceto-phenone-HCl, 173-5°; α-(1,1-dimethyl-3-p-tolylpropylamino)-2-methoxy-3,4-dihydroxyacetophenone-HCl, 166-7°; α-bromo-2-methyl-3,4-bis(benzyloxy)acetophenone, 123°; α-(tert-butylamino)-2-methyl-3,4-bis(benzyloxy)acetophenone-HCl, 199-204°; 1-[2-methyl-3,4-bis(benzyloxy)phenyl]-2-(tert-butylamino)ethanol, 111-12°; 2-methoxy-3,4-(diphenylmethylenedi-oxy)butyrophenone, 93-4°; α-bromo-2-methoxy-3,4-(diphenyl-methylenedioxy)butyrophenone, ; α-(isopropylamino)-2-methoxy-3,4-(diphenylmethylenedioxy)butyrophenone-HCl, 93-4°; α-(isopropylamino)-2-methoxy-3,4-dihydroxybutyrophenone-HCl, 188-90° (decompn.); 1-(3,4-diacetoxy-2-methylphenyl)-1-oxo-2-isopropylaminoethane-HCl, 156°; and 1-(3,4-diacetoxy-2-methoxyphenyl)-1-oxo-2-isopropylaminoethane-HCl, 166-7°. I show sympathomimetic properties and dilate the peripheral vessels.

ACCESSION NUMBER: 1970:31420 CAPLUS
DOCUMENT NUMBER: 72:31420
TITLE: 1-(2-Substituted-3,4-dihydroxyphenyl)-2-(substituted-amino)ethanols
PATENT ASSIGNEE(S): Boehringer, C. H., Sohn
SOURCE: Fr., 12 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 7338	M	19691013	FR 1968-7338	19680118
DE 1543372	A	19710401	DE 1966-B89417	19661018
DE 1543374	A	19720420	DE 1966-B89476	19661020
ES 346057	A1	19690316	ES 1967-346057	19671014
CH 490323	A	19700515	CH 1967-490323	19671016
AT 285582	B	19701110	AT 1967-9349	19671016
AT 288357	B	19710310	AT 1969-11652	19671016
AT 288358	B	19710310	AT 1969-11653	19671016

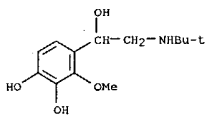
L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

CH 507200	A	19710515	CH 1967-507200	19671016
CH 523219	A	19720531	CH 1967-523219	19671016
CH 548365	A	19740430	CH 1972-4528	19671016
DK 130070	B	19741216	DK 1967-5161	19671017
BE 705312	A	19680418	BE 1967-705312	19671018
NL 6714161	A	19680419	NL 1967-14161	19671018
NL 158480	B	19781115		
GB 1204195	A	19700903	GB 1967-1204195	19671018
SE 368196	B	19740624	SE 1967-14280	19671018
SE 380792	B	19751117	SE 1971-6612	19671018
ES 360964	A1	19701016	ES 1968-360964	19681130
ES 360961	A1	19701116	ES 1968-360961	19681130
ES 360962	A1	19701116	ES 1968-360962	19681130
ES 360963	A1	19701116	ES 1968-360963	19681130
ES 360965	A1	19701116	ES 1968-360965	19681130

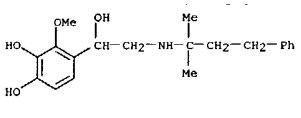
PRIORITY APPLN. INFO.:
DE 1966-B89417 A 19661018
DE 1966-B89476 A 19661020
DE 1966-B90062 A 19661129

IT **24007-97-4P 24008-01-3P 24008-02-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 24007-97-4 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)



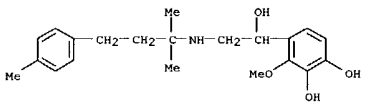
RN 24008-01-3 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethyl-3-phenylpropyl)amino]-1-hydroxyethyl]-3-methoxy-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

L4 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

RN 24008-02-4 CAPLUS
CN 1,2-Benzenediol, 4-[2-[[1,1-dimethyl-3-(4-methylphenyl)propyl]amino]-1-hydroxyethyl]-3-methoxy-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

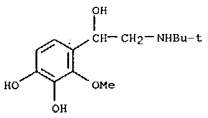
L4 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2004 ACS on STN
GI For diagram(s), see printed CA Issue.
AB I, having broncholytic, antipruritic, and peripheral vasodilatory activities, are prepared via III and II by sequential debenzylation with H over Pd on C in MeOH at 60° and 5 atmospheric and then hydrogenation over Pt or Raney Ni in MeOH. Alternately for X = PhCH2, II are reduced to I with NaBH4 followed by debenzylation as above. III are prepared by treatment of the appropriate α-bromoacetophenone with R1R2NH. Of protecting groups used, X and (or) X' = Me are removed by 1.5-hr. reflux in 40-50% HBr and (XX' =) Ph2C (introduced by the action of Ph2CCl2 and pyridine in Me2CO) is removed either during the debenzylation or by 2-hr. reflux in a concentrated HCl-MeOH mixture I and II prepared are tabulated. Addnl. described was IV.HCl (R = Pr, R1 = iso-Pr, X = H, X' = Me), m. 93-5°. V described were (R, R1, X, X', m.p. given): Me, Ph(CH2)3, Me, Me-[hydrogen oxalate m. 118-21° (Et2O)]; MeO, PhOCH2CH2, (XX' =)Ph2C, 159-61° (CH2Cl2-EtOAc). The preparation of several intermediates is also given.

ACCESSION NUMBER: 1969:523933 CAPLUS
DOCUMENT NUMBER: 71:123933
TITLE: Broncholytic phenyl alkanolamines
INVENTOR(S): Mentrup, Anton; Schremm, Kurt; Thomae, Otto; Zeile, Karl
PATENT ASSIGNEE(S): Boehringer Ingelheim G.m.b.H.
SOURCE: S. African, 26 pp.
CODEN: SFXXAB
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

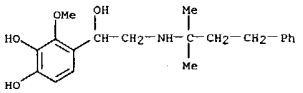
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ZA 6802425		19681108	ZA	19680417

IT **24007-97-4P 24008-01-3P 24008-02-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 24007-97-4 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]-3-methoxy- (9CI) (CA INDEX NAME)

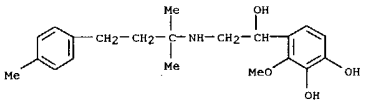


RN 24008-01-3 CAPLUS
CN 1,2-Benzenediol, 4-[2-[(1,1-dimethyl-3-phenylpropyl)amino]-1-hydroxyethyl]-3-methoxy-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 24008-02-4 CAPLUS
CN 1,2-Benzenediol, 4-[2-[[1,1-dimethyl-3-(4-methylphenyl)propyl]amino]-1-hydroxyethyl]-3-methoxy-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

=> logoff y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	48.12	203.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-6.30	-6.30

STN INTERNATIONAL LOGOFF AT 13:27:55 ON 10 NOV 2004